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| IDS Form PTO/SB/08: Substitute for form 1449A/PTO   |   |    | <b>Complete if Known</b> |                          |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(Use as many sheets as necessary) |   |    | Application Number       | 10/733,232               |                  |
|   |   |    | Filing Date              | December 12, 2003        |                  |
|   |   |    | First Named Inventor     | Yosser BEN ACHOUR et al. |                  |
|   |   |    | Art Unit                 | 1645                     |                  |
|   |   |    | Examiner Name            | Jana A. Hines            |                  |
| Sheet   | 1 | of | 2                        | Attorney Docket Number   | 02356.0087-00000 |

| U.S. PATENTS AND PUBLISHED U.S. PATENT APPLICATIONS |                       |  |   |   |   |
|---|-----------------------|--|---|---|---|
| Examiner Initials                                   | Cite No. <sup>1</sup> | Document Number                          | Issue or Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|   |                       | Number-Kind Code <sup>2</sup> (if known) |   |   |   |
|   |                       | US-                                      |   |   |   |
|   |                       | US-                                      |   |   |   |
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| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |                          |
|--------------------------|-----------------------|---|--------------------------------|---|---|--------------------------|
| Examiner Initials        | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | Translation <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) |                                |   |   |                          |
|                          |                       | CA 2105538  | 04-03-1995                     | McGill University                               |   |                          |
|                          |                       |   |                                |   |   |                          |
|                          |                       |   |                                |   |   |                          |
|                          |                       |   |                                |   |   |                          |

| NON PATENT LITERATURE DOCUMENTS |                       |   |                          |
|---------------------------------|-----------------------|---|--------------------------|
| Examiner Initials               | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | Translation <sup>6</sup> |
|                                 |                       | PADILLA et al.; "Isolation of a Unique Protein-Disulfide Isomerase Gene from <i>Leishmania donovani</i> ," Science Forum Poster Abstract, (2001).   |                          |
|                                 |                       | MANDAL et al.; "The Plasma-Membrane Ca <sup>2+</sup> -ATPase of <i>Leishmania donovani</i> is an extrusion pump for Ca <sup>2+</sup> ," Biochem. J. Vol. 322, No. 1, pages 251-257, (1997).   |                          |
|                                 |                       | CLIVE and GREENE; "Association of Protein Disulfide Isomerase Activity and the Induction of Contact Inhibition," Experimental Cell Research, Vol. 214, No. 1, pages 139-144, (1994).  |                          |
|                                 |                       | ABDELHAK et al.; "Recombinant BCG expressing the Leishmania Surface Antigen Gp63 Induces Protective Immunity Against <i>Leishmania major</i> infection in BALB/c mice," Microbiology, Vol. 141, pages 1585-1592, (1995).  |                          |
|                                 |                       | LYLES and GILBERT; "Catalysis of the Oxidative Folding of Ribonuclease A by Protein Disulfide Isomerase: Dependence on the Rate of the Composition of the Redox Buffer," Biochemistry, Vol. 30, No. 3, pages 613-619, (1991).                                   |                          |
|                                 |                       | MOU et al.; "The Selective Inhibition of $\beta_1$ AND $\beta_7$ Integrin-Mediated Lymphocyte Adhesion by Bacitracin," The Journal of Immunology, Vol. 161, No. 11, pages 6323-6329, (1998).  |                          |
|                                 |                       | HEARD et al.; " <i>Leishmania mexicana amazonensis</i> : Differential Display Analysis and Cloning of mRNAs from Attenuated and Infective Forms," J. Euk. Microbiol., Vol. 43, No. 5, pages 409-415, (1996).  |                          |
|                                 |                       | YU et al.; "Key Role for DsbA in Cell-to-Cell Spread of <i>Shigella flexneri</i> , Permitting Secretion of Ipa Proteins into Interepithelial Protrusions," Infection and Immunity, Vol. 68, No. 11, pages 6449-6456, (2000).                                    |                          |

